CLAIMS

I claim:

1. A filter assembly comprising a vessel and a filter element; said vessel having a sidewall, a bottom wall, and a removable cover; an inlet and an outlet in said vessel for fluid flow through said vessel; said vessel sidewall including an interior shoulder located between said inlet and outlet; said sidewall having a groove formed therein located between said shoulder and said outlet; said filter element including a filter bag having an opening defined by a flexible bag ring; said filter element interposed within said vessel between said inlet and outlet; a filter basket seated in said vessel between said inlet and outlet for supporting said filter bag; said filter bag extending into said filter basket; said bag ring including a sidewall terminating in an outturned peripheral flange; a rib protruding from said bag ring sidewall; said flange overlying and seated against said vessel sidewall shoulder; said rib fitting into said groove in said vessel sidewall to secure said filter element in said vessel.

2. The filter assembly of claim 1 wherein said basket includes an upper rim; said basket rim being located between said vessel sidewall and said bag ring.

3. The filter of claim 1 wherein said vessel sidewall shoulder is upwardly angled; said bag ring flange being downwardly angled to form a recess between the flange and said bag ring sidewall; said vessel sidewall shoulder fitted within said recess.

4. The filter assembly of claim 1 wherein said rib is an annular ridge intermittently located about the periphery of said bag ring; and said groove extends about the inner periphery of the vessel sidewall.

5. The filter assembly of claim 1 wherein said bag ring flange is flexed against said vessel

sidewall shoulder as said rib is fitted in said groove; said groove being larger than said rib to allow movement of the rib relative to the groove and further flexing of said bag ring flange when there is fluid flow through said vessel.